

R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

The Examiner is thanked for conducting telephone conferences on February 12 and 13, 2003, and for indicating the subject matter of the claims of the present application to be allowable. And the Examiner is also thanked for faxing to the undersigned the Proposed Examiner's Amendment dated February 12, 2003.

Based on the Proposed Examiner's Amendment, claim 1 has been amended to clarify that the shape of the casing of the temperature measuring device is set such that lumps of ice and snow (which may form on the surfaces of the casing and which may detach from the casing and be blown downstream by the airflow into the engine, the airframe or other equipment of the aircraft) detach at a stage of growth so as to prevent damage to the engine, the airframe or the other equipment of the aircraft.

In addition, claim 2 has been amended to recite the structural feature of the present invention disclosed in the specification at page 7, lines 9-21; claims 3-4 have been amended to recite the structural feature of the present invention disclosed in the specification at page 9, line 22 to page 10, line 3; and claims 5-8 have been amended to recite the structural feature of the present invention disclosed in the specification at page 10, lines 4-14.

No new matter has been added, and no new issues with respect to patentability have been raised.

Accordingly, it is respectfully submitted that the present application, as amended, is now in condition for immediate allowance.

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In view of the foregoing, entry of this Amendment, allowance of the claims and the passing of this application to issue are respectfully solicited.

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claims 1-8 have been amended as follows:

1. (Amended) A temperature measuring device comprising an approximately blade-shaped casing arranged within an airflow flowing into an engine of an aircraft or on an external surface of an airframe of [an] the aircraft,

5 wherein the temperature measuring device [being for measuring the] measures a total temperature T1 of the airflow based on a measured temperature T of the airflow flowing over surfaces of the casing, and

10 wherein [a] the shape of the casing is set such that lumps of ice and snow, which may form on [a surface] the surfaces of the casing [in conditions of ice and snow,] and which may detach from the casing and be blown downstream by the airflow into [strike] the engine, the airframe or other equipment of the aircraft, detach at a stage of growth [at which the lumps of ice

15 and snow do not cause] so as to prevent damage to the engine, the airframe or the other equipment of the aircraft.

2. (Amended) A temperature measuring device according to claim 1, wherein an angle of inclination of each blade surface of the casing with respect to a direction of a line of flow of the airflow is [specified such that the lumps of ice and snow detach

5 at a stage of growth at which the lumps of ice and snow do not cause damage to the engine,, the airframe or the equipment of the aircraft] less than or equal to 9°.

3. (Amended) A temperature measuring device according to claim 1, wherein a width of a leading edge section of the casing with respect to a direction of a line of flow of the airflow is [specified such that the lumps of ice and snow detach at a stage
5 of growth at which the lumps of ice and snow do not cause damage to the engine,, the airframe or the equipment of the aircraft] less than or equal to 1 mm.

4. (Amended) A temperature measuring device according to claim 2, wherein a width of a leading edge section of the casing with respect to the direction of the line of flow of the airflow is [specified such that the lumps of ice and snow detach at a
5 stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft] less than or equal to 1 mm.

5. (Amended) A temperature measuring device according to claim 1, wherein an angle of inclination of [the] a leading edge section of the casing with respect to a direction of a line of flow of the airflow is [specified such that the lumps of ice and
5 snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft] less than 60°.

6. (Amended) A temperature measuring device according to claim 2, wherein an angle of inclination of [the] a leading edge section of the casing with respect to the direction of the line of flow of the airflow is [specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft] less than 60°.

7. (Amended) A temperature measuring device according to claim 3, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is [specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft] less than 60°.

8. (Amended) A temperature measuring device according to claim 4, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is [specified such that the lumps of ice and snow detach at a stage of growth at which the lumps of ice and snow do not cause damage to the engine, the airframe or the equipment of the aircraft] less than 60°.